

MECHANICAL/CHEMICAL

1. ANDREWS, LISA M.
2. BALFOUR, BRENTON
3. BRAY, KYLE
4. CARTER, LIONEL
5. CHAVEZ, ERNESTO
6. CHIKEREMA, KENIAS
7. COWAN, CLAYTON J.
8. CRUM, STEVEN R.
9. DAVIS, CHARITY C.
10. DELESBORE, CORLISA
11. DENTON, GEROGE
12. DOYLE, SATCHELL JR.
13. EARL, STEVEN E. JR.
14. FIELDS, JENNIFER
15. HUBER, TRACY
16. IBEKWEH, NNEKA O.
17. JONES, TIFFANY N.
18. LESLIE, TRAYVON D.
19. MOK, BRIAN
20. OWENS, LECARIS D.
21. PALMER, GARY II
22. POPE, FRALIER L. III
23. ROSE, MICHELLE
24. SANDERS, SHANITRA D.
25. SERIGHT, HENRY JR.
26. SMITH, MONTRELL F.
27. TART, CECILY N.
28. TAYLOR, DELPHILIA
29. WALKER, ALTON D.

Lisa Marie Andrews

11 Seven Springs Court

Phoenix, Maryland 21131

(410) 527.1886

landrel@umbc.edu

EDUCATION Bachelor of Science, Mechanical Engineering
University of Maryland, Baltimore County (UMBC)
Expected December 2004, GPA: 3.12

WORK EXPERIENCE

Air Techniques International

Owings Mills, MD

01/02/99-08/26/03

WRITING

- Authored/revised technical manuals
- Co-author of research paper in Particle Science
- Time management program for Engineering Department

RESEARCH

- Particle distribution of hot and cold aerosol generators under controlled environments
- Aerosol diluters
- Knowledge of Scanning Mobility Particle System (SMPS) by TSI, Inc.
- Removal of humidity from human breath in a gas mask test unit

PROJECTS

- TDA-99B, Design and drawings for Gas Mask Test unit for Department of Defense
- TDA-99M, Trouble shooting, drawings, programming of Protective Mask Leakage Tester
- TDA-2G, Trouble shooting for Portable Photometer
- TDA-100P, Trouble shooting, wrote Operations manual for Automatic Filter Tester
- TDA-110P, Trouble shooting, wrote Operations manual for Automatic Filter Tester

PAPERS

- L. Andrews, T. McDiarmid and R. Vijayakumar, PhD. "Characterization of Particle Size Distribution of Atomizers and Condensation Generators Used for Testing High Efficiency Filters", Air Techniques International 2003.

Elevator Roller Guides Safety Company (ELSCO)

Owings Mills, MD

01/02/99-08/26/03

- Elasticity testing on roller guide wheels

Dr. Edward Lazer, DDS

Owings Mills, MD

06/01/03-12/30/03

- Assisted with patient information and visits
- Developed x-rays
- Substituted for Dental Assistants when available

COMPUTER SKILLS

- Microsoft Programs (Word, Excel, Power Point, Project)
- AutoCAD
- Solid Edge

COURSEWORK

- Machine Design
- AutoCAD Design
- Deformations of Mechanical Solids Laboratory
- Thermodynamics
- Advanced Biomaterials
- Automated Controls Systems
- Vibrations
- Properties of Engineering Materials
- Mechanical Design for Manufacturing and Production
- Composite Materials
- Controls and Vibrations Laboratory

LEADERSHIP EXPERIENCE/ACTIVITIES

- **UMBC Judicial Board, 2002-Present**
Board hears cases involving student misconduct and decides on appropriate sanctions
Involves an application process and an interview to participate on the board
- **UMBC Parking Appeals Board, 2000-2002**
Board reviews parking violation appeals
- **World Seido Karate Instructor, 2003-Present/1996-1998**
Teach children ages 4 through 15 years old Seido Martial Arts 3 days/week of all belt ranks
- **Hispanic Latino Student Union 1998-2000**
Educates student body about Hispanic and Latino cultures, tutoring elementary school students
- **Events Coordinator, UMBC Liaison for Operation Smile International, 1998-1999**
Operation Smile is a non-profit organization which raises money to send a team of specialized doctors around the world. This team operates on children with cleft lip, cleft palette and facial deformities

REFERENCES Available upon request

Brenton Balfour

111-29 174th St., Jamaica NY 11433

(917) 868-5284 M.

brenton_four@yahoo.com

(718) 657-2250 H.

PROFESSIONAL OBJECTIVE

A position in the field of Mechanical Engineering that will utilize and develop my technical knowledge, leadership skills, and business acumen; while contributing to the overall success of the organization.

EDUCATION

The City College of the City University of New York, NY
B.S, Mechanical Engineering: Feb, 04

Major GPA: 3.3/4.0

RELEVANT COURSE WORK

Thermodynamics I & II, Aero-structures, Energy Systems Design, Heat Transfer, Orbital Mechanics, CAD, Fluid Mechanics

COMPUTER SKILLS

MatLab, Pro-E2001i², Microsoft Office/XP, Excel, Power Point, Pro-Mechanica

SPECIAL PROJECTS

Drew and assembled a complete automatic transmission using Pro-E2001i²; and used Pro-Mechanica (FEM) to conduct torsional stress analysis on output shaft.

Designed and built a system which uses the potential energy of a mountain stream to lift ore from the bottom of an open pit mine; 3rd place winner in ASME regional competition.

Designed and manufactured control temperature and flow pipette.

Designed a model of a power plant that operates on combined gas and steam cycles; and steam generation system which uses coal fuel to produce thermal energy.

RELEVANT EXPERIENCE

Aero Nav Laboratories, Flushing, NY

06/03-09/03

Engineering Intern

- Assisted Engineers in performing various environmental tests on military equipment.
- Researched former customers and call to re-establish business relations.

OTHER

Home Depot, Elmont, NY

04/00- present

Refund Associate

- Issue refunds for damaged or defective products.
- Resolve customer complaints and explain product warranties.

Aviation Safeguard, Queens, NY

06/98-04/00

Pre-departure Screener, JFK International Airport

- Screened passengers and luggage using x-ray technology.
- Kept detailed records of discrepancies in accordance with FAA guidelines.

PROFESSIONAL AFFILIATIONS

- American Society of Mechanical Engineers (ASME)
- National Society of Black Engineers (NSBE)

Permanent Address

15420 Overlea Ct.
Accokeek, MD 20607
(301) 203-9573

Local Address

248 Lantana Ln. Apt. A
Hampton, VA 23669
(757) 723-8310

Objective

To obtain a challenging position with a company where I can utilize my keen strategic problem solving skills, in order to positively contribute to the company.

Education

Hampton University, Hampton, VA
Pursuing B.S. in Chemical Engineering
Graduating May, 2004

Experience

Ortho-McNeil Pharmaceuticals

Co-op (Project Manager of a Compliance Project)

Bridgewater, NJ

(June 2002-January 2003)

Supervised contractors and internal resources to develop an electronic warehouse monitoring system; Assisted in black-belt projects and in the feasibility of utilizing new technology in current processes; Led a FIRST Robotics Outreach Program; Assisted in the founding of the PSGA Intern/Co-op Association; Served as Chairman of the ICA Community Service Committee.

Hampton University

Reduction NO_x Researcher (Summer Research)

Hampton, VA

(Summer 2001)

Used a packed bed reactor and various catalysts to reduce the amount of NO_x, a pollutant that is a by-product of combustion reactions in energy plants; Utilized gas chromatograph to perform graphical analysis on samples;

Dartmouth College

Bio-engineering Researcher (Intern)

Hanover, NH

(Summer 2000)

Gained knowledge of the fundamentals of Genetic Engineering; Received mentorship and served on a Biotechnology team R & D team.

Molecular Biology Dept.

Molecular Biological Lab Assistant

Hampton, VA

(January 1999-May 1999)

Trained entry-level students; Assisted instructor in developing and executing lesson-plans.

Computer & Special Skills

Familiar with the various Computer languages and software: Ada; C++; MS Applications; Purchase Order software; AutoCAD and Pro E.

REFERENCES FURNISHED UPON REQUEST.

Summer Job
Good candidate

Phone 713-504-4571

E-mail: pvunsbechair@hotmail.com

Lionel Carter

SUMMARY

A team player that wants to utilize his creativity, intellectual curiosity and his open mind in position where he can gain experience and increase his knowledge.

EXPERIENCE

Summer 2002 Manpower Temp Service Houston, TX
Warehouse

- Tinted paint for customers
- took inventory for incoming shipments
- Organized and filed office cabinets

Summer 2000 Houston Community College Houston, TX
Technicians Assistant

- Accurately drew network site plans for new buildings using the .VISIO ENTERPRISE SOFTWARE
- Assisted in configuring live networks using TELNET.
- Installed equipment into network closets at three new colleges.

EDUCATION

1999 -Present Prairie View A&M University Prairie View, TX

- Mechanical Engineering
- Senior Design-Fuel Cell Car
- GPA-2.9

ORGANIZATIONS

National Society of Black Engineers

- President

American Society for Mechanical Engineers

- Active Member

Football

- Received an athletic scholarship

Students in Free Enterprise

- Heading campus investment club project

Summer Job
Good candidate

7818 Homewood Lane
Houston, TX 77028

Phone (713) 635-9133
E-mail: ernesto635@yahoo.com

Ernesto Chavez

Objective To obtain a summer job in order to enhance my skills as well as gain experience in the workforce.

Education 2000 - Present Prairie View A&M University Prairie View, TX
Major: **Mechanical Engineering**
Total Number of Hours Taken: 123 hours
▪ 2.7 Grade Point Average (Cumulative Grade Point Average)

Professional experience Summer 2001 Implemetrics/United Space Alliance
Student Intern / Mechanical Engineer
Summer 2002, Summer 2003 Compaq Computers
Assembly
Winter 2003 HP Computers
Materials Handler

Professional memberships National Society of Black Engineers (NSBE)
The American Society of Mechanical Engineers (ASME)
The Society of Hispanic Professional Engineers (SHPE)

Extra Languages Fluent in speaking Spanish, and have studied French.

Interests and activities Working with computers, learning about recent technology, keeping up with recent events, doing various physical activities, playing team sports, studying various geographic regions, traveling to various places of interest, reading and gaining knowledge of how to operate and work with machines and various computer languages and programs.

Volunteer experience Hospital Volunteer at Lyndon B. Johnson General Hospital (1999)
Church Volunteer at Lakewood Church (1998-Present)
Red Cross Volunteer (1998-1999)

Computing Skills C++ Programming Visual C++ (Version 6.0)
Unigraphics 3-D Solid Modeling AutoCad (Version 12)
Mathlab Microsoft Word 2000
Microsoft Excel Microsoft Power Point
Flow! (Flowcharting software) Microsoft Office XP
HTML Solid Edge
Macromedia Dreamweaver MX Macromedia Flash MX
Visual Basic 6.0 Macromedia Freehand 10

Willing to relocate

Kenias Chikerema

9200 5th Street Lanham MD 20706; (301) 731 4265; ggwangu411@hotmail.com;

Objective:

To obtain a Co-op, summer internship, part-time or full-time position in your Mechanical Engineering department.

Education:

University of Maryland

College Park, MD
10/2002 to present

Currently a senior BSc. Mechanical Engineering, with emphasis in Advanced Strength of Materials

GPA 2.70

Expected date of graduation is Fall 2004.

Montgomery Community College

Rockville, MD

Associates degree in mechanical engineering with a 3.27 GPA.

May 2002

Skills

Proficient in Microsoft applications, EES (Engineering Equation Solver), and Matlab.

Work Experience

University of Maryland Shuttle UM

College Park, MD

Maintenance Assistant

10/2002 to present

- Repairs on Shuttle bus Fleet.
- Preventive maintenance.
- Drive the Shuttle bus routes.

Montgomery County Public Schools

Silver Spring, MD

School Bus Driver

10/2002 to present (part-time)

- Maintain a record of the mechanical condition of the bus.
- Drive assigned bus routes transporting special aid school children.

DCWASA. (DC Water and Sewer Authority)

Washington DC

Intern (Maintenance and Process Engineering Dept.)

Summers of 2002-3

- Inspected construction on the plant for specifications.
- Tested new electronic equipment to be installed on the plant for specs.
- Tested materials for axial and compressive stresses.
- Cleaned DC neighborhoods and painted fire hydrants.

U-HAUL of Metro DC.

Takoma Park, MD

Head mechanic

3/1993-8/2000

- Supervised a crew of 10.
- Maintained a fleet of more than 100 pieces of equipment doing minor and major work.
- Conducted preventive maintenance including customer road-side assistance.
- Bought parts and maintained an inventory of the repair shop.

Montgomery Ward Auto Express

Laurel, MD

Supervisor Mechanic

5/1997 to 11/1998

- Supervised a crew of mechanics.
- Completed major repairs on customer vehicles.
- Took inventory of the parts room.

Extra curricula activities:

Member of the Black Engineers Society; enjoy tennis, soccer and working on mechanical equipment.

Clayton J. Cowan

Current Address
Alabama A&M
Huntsville AL, 35762
(256) 372-3863

Permanent Address
961 Chapman lane
Stone Mountain, GA 30088
(770) 498-7229

Objective To secure a position with a highly reputable solid company that will allow me to enhance my educational endeavors will gaining invaluable hands on experience.

Education

- Alabama A&M 2001-present. Majoring: Mechanical Engineering Technology working toward a bachelor's degree graduating in the year 2005.

Courses

- Technical and Machine tool drafting
- Computer/CAD
- Static's
- Calculus 1-2
- Excel and operation research
- Strength and material

Activities

- Marching Band
- Men of Redan
- Honorary Member of SCLC
- Winning Circle
- Tennis
- Chess Club
- Bowling

Work

Experience

Melaleuca

Customer Service rep/Account Executive. January 2003 – July 2003

- Sales of Melaleuca products
- Stock Products
- Customer service
- Recruitment of new customers and customer representatives

Cowan & Associates. January 1998 – July 2003

- Customer Service Rep/Vending Route Sales
- Personal Assistant to manager
- Stock Products
- Customer service

Skills

- Microsoft Office suite
- Knowledgeable of notebook and PC' Equipment
- Software: Word Processing, Date base programs, AutoCAD
- Windows ME, XP, and NT
- Good worker
- Work well under pressure

References

Upon Request

Steven R. Crum
507 Villa Carol Drive
Glen Burnie, MD 21060
410-760-9014 (home)
443-889-6167 (cell)
e-mail: scruml@umbc.edu

Objective: To obtain a permanent position where my education in chemical engineering can aid in achieving organizational goals.

Education: ***University of Maryland Baltimore County***
Baltimore, MD
Bachelor of Science in Chemical Engineering, Cum Laude
Master of Science in Chemical Engineering (May 2004)

Activities & Honors: Member Golden Key National Honor Society
Member Tau Beta Pi Honor Society
Scholarship Annapolis Lion's Club

Work Experience ***Joint Spectrum Center***, Annapolis, MD
June 2003 to present
Provide administrative assistance to staff engineers in the spectrum supportability and electromagnetic environmental effects (E3) division.

- Attend Engineer meetings and assist senior engineers with action items resulting from meetings.
- Update engineer material for release to the Spectrum and Engineering Communities.
- Maintain accuracy and content of E3 web page.

Prudential Carruthers Realtors, Severna Park, MD
February 2001 to June 2003
Provided direct support to over 50 realtors and management.

- Received incoming calls and directed them to appropriate agents or provided direct assistance.
- Used computer skills to prepare routine correspondence.
- Managed/scheduled daily appointments for the staff.
- Gained experience working in a business environment and dealing with people from various backgrounds.

Security Clearance Secret Clearance, October 2003

Willing to work
anywhere
Good

Charity C. Davis

Campus Address

P.O. Box 4627
Prairie View, TX 77446
(832) 428-4548

Email Address

christalee247@hotmail.com

Permanent Address

1601 E. Montebello
Phoenix, AZ 85016
(602) 279-3248

Objective

To obtain a permanent position that promotes creative ideas in the field of Mechanical Engineering.

Education

Prairie View A&M University

- Bachelor of Science in Mechanical Engineer
- Grade Point Average 2.85/4.0
- Graduating May 2004

Experience

01/04 - Present

Future Aerospace Science Technology Center – Prairie View, TX

- Conducted NASA research on new materials to be used for the cryogenic tank on the space shuttle. Material must be able to withstand liquid hydrogen and nitrogen.

09/03 - Present

Fuel Cell Car Design Team – Prairie View, TX

- Leading a group of nine graduating engineers in a senior project sponsored by General Motors.
- Object was to transfer an electrical powered automobile into being powered by hydrogen fuel cells.

01/03-08/03

Omaha Public Power District – Omaha, NE

- Provided electrical distribution system data retrieval and analysis for productivity support.
- Conducted and researched reliability statistics for power outages and power quality.
- Computed circuit analysis and assisted in cable testing.

Skills

ANSYS (stress analysis software)
C++ Programming
Engineer Equation Solver
Microsoft – Word 2000, Excel 2000, Power Point 2000, Project 2000
Solid Edge (design software)
Auto Cad

Honors and Activities

American Society of Mechanical Engineer – Vice President / 2001-2002
Treasurer / 2000-2001
Zeta Phi Beta Sorority Inc. – President – Present
Secretary / 2001-2002
National Society of Black Engineers
Thurgood Marshall Scholar
Bank of America Scholar

Co-op / Intern
SWD

Permanent: 1009 Harding Ave. Phone 409-985-5207;
Port Arthur, TX
77640 Cell 361-711-3609
Campus: PO Box 5818 E-mail
Prairie View, TX CChevyenne00@yahoo.com
77446

Corlisa Delesbore

Objective To obtain a mechanical engineering internship or perhaps a co-op in which to gain more knowledge and enhance what is being taught in college courses.

Education Summer 2000 - Present Prairie View A&M University Prairie View, TX
Mechanical Engineering
▪ Status: Senior
▪ GPA: 2.7

Work Experience Seasonal 2003 Bealls Port Arthur, TX

Associate

- Customer Service
- General office duties to maximize efficiency

Summer '02 - Summer '03 Thermal Science Research Center Prairie View, TX
Research Assistant

- Help assemble a test section designed to test variations of heat flux in water flowing through test section
- Configuring graphs on Matlab
- Solid Edge designs of mono-block assembly
- Computer Applications to be presented in future documents

1/2002 - 5/2002 Mechanical Engineering Office Prairie View, TX
Assistant Secretary

- Objective: to help in the mechanical engineering office with a variety of duties such as:

Managing and filing reports

Typing

Phone services

Professional memberships Fall 2000- Present National Society of Black Engineers
Fall 2000- Present American Society of Mechanical Engineers
Fall 2001- Spring 2002 Inroads Organization

Skills	Skill Name	Skill Level	Last Used
	Microsoft Office	Intermediate	Currently Used
	Solid Edge	Beginner	Currently Used
	Visual C++	Beginner	1 year ago
	Matlab	Beginner	6 months ago

References Cheryl Abercrombie Manager-Bealls 409-724-1544
Dr. Ronald Boyd Professor of Mechanical Engineering 936-857-4811

George Denton
115 East 52 Street
Brooklyn, N.Y. 11203

(718) 774-2521 H.

(917) 217-3723 C.

PROFESSIONAL OBJECTIVE

An entry-level position in Mechanical Engineering where I can apply my education and skills to design and develop machinery and systems for heating, ventilating and air conditioning, power generation, and manufacturing. Excellent analytical, problem solving, communication, supervision skills.

EDUCATION

B.S., Mechanical Engineering, The City College, CUNY, New York, NY

Feb 2004 GPA: 3.3

TECHNICAL SKILLS

Software Applications: MS Office (Word, Excel, PowerPoint)
Programming Language: LabView, C, Mathcad, Matlab
Design Application: Pro/e 2000i², AutoCAD, ProMechanica, Fluent, Gambit

EXPERIENCE

Dormitory Authority State of New York, New York, NY

2001 – 2002

Intern

(Summer)

- Ensure contractor compliances with contract plans and specifications.
- Managed and coordinated the delivery and installation of furniture valued \$ 99, 564 for a hospital wide ambulatory project.
- Assisted in supervising and inspecting the installation of air conditioning units at construction site
- Assisted in writing monthly progress reports and project management meeting minutes.
- Assisted Field Representative in scheduling and supervision of required testing.

Metropolitan Transportation Authority, New York, NY

Sept 1997 – Sept 1998

Mail Clerk

Delivered office supplies, interoffice mail, and computer supplies to departments; trained new employees.

PROJECTS

Design and manufacture a gas gun projectile launching device for senior design project to be used in ballistic impact studies on composite materials; prepare design specifications for gas gun.

Conduct research into the feasibility, design and performance of the gas gun which decreases the budget for manufacturing the gas gun by more than \$ 4000.

Designed an optimum combined cycle for a gas-steam turbine power plant with a 42.98% efficiency; designed complete steam generated system.

Used LabView and Matlab for modeling, analysis, control and digital data acquisition; Used modern mechatronic sensor devices including strain gages, thermocouples, load cells, piezoelectric transducers, LVDT's, and optoelectronic proximity sensors to take mechanical measurements; wrote procedural lab experiment manual to be used by 25 – 30 undergraduate engineering students per semester.

Used AutoCAD to produced drawings of helicopter's shroud, blade, fuselage, and landing gear.

HONORS/AWARDS

Samuel Rudin scholarship from the Society of American Military Engineers; The National Science Foundation Scholarship; Amoco Engineering Program (Mechanical Engineering Honor Society); who's who among students in American universities and colleges honors program 2003; Third place in the American Society of Mechanical Engineers regional competition; Certificate of training for solving dynamic meshing problems with Fluent v6; Senator Velmanette Montgomery certificate of recognition.

Satchell Doyle Jr.
thechosenone_05@hotmail.com

Current Address (until 05/04)
750 White Dr. Apt. #323
Tallahassee, FL 32304
(850) 504-1751

Permanent Address
3606 Coventry Dr.
Augusta, GA 30906
(706) 790-7208
Cell: (706) 414-0548

EDUCATION

Florida A & M University Tallahassee, FL
BS, Chemical Engineering, (Expected May 2004)
GPA: 3.68/4.0

EXPERIENCE

Eli Lilly and Company Clinton, IN
Summer Intern May '03–Aug. '03

Technical Advisor: Chantel Booth

- Developed procedures for the Animal Health warehouse department
- Aided in the drawing classification process
- Assisted in the Gauge Commitment Project

Florida A & M University Tallahassee, FL
Lab Assistant June '02–Aug. '02

Technical Advisor: Dr. Rufina Alamo

- Recorded physical properties of polymers after crystallization
- Operated the differential scanning calorimeter (DSC)

Bi-lo Groceries, Inc. Augusta, GA
Sales Associate January '99–Aug. '00

- Assisted customers with purchases and handled sales transactions
- Served as captain for the front end associates

COMPUTER SKILLS

Microsoft Office MATLAB MATHCAD
CHEMCAD C-Programming

ACTIVITIES

National Society of Black Engineers
American Institute of Chemical Engineers
Tau Beta Pi Engineering Honor Society

HONORS

Distinguished Student Presidential Scholar
National Dean's List
Who's Who Among America's College Students

Steven E Earl Jr.

5108 N. Broad St Apt 3, Philadelphia, PA 19141
Home (215) 457-2898 Email jetason@yahoo.com

EDUCATION

Temple University, Philadelphia, PA B.S., Civil Engineering, May 2004

Courses: Structural Analysis, Soil Mechanics, Thermodynamics, Transportation Engineering, Construction Engineering, Mechanics of Solids, Concrete Design, Steel Design, Hydraulic Systems and Design, Wastewater Treatment

SKILLS AND QUALIFICATIONS

Software Applications: STAAD, AutoCAD, HTML, DOS, EPA Net
Operating Systems: Windows: XP, NT, Millennium, Macintosh, Unix, Linux
Quick learner, motivated and dedicated, very strong communication skills, ability to work well with others at various levels

PROFFESIONAL EXPERIENCE

Armand Corporation, Cherry Hill, NJ

Student Intern/ Field Worker/ Construction Management/ Estimator/, May 2002 – December 2002

- ❖ Inspected public housing facilities for contractor defects and reported discrepancies to the City of Newark Housing Authority
- ❖ Consulted and directed public housing facilities on design-build regulations
- ❖ Surveyed proposed sites and provided cost estimates to clients
- ❖ Designed proposals for potential client contracts

Allied Systems, Philadelphia, PA

Building Engineer/Computer Technician, 2000 – 2002

- ❖ Tested computer servers for website compatibility
- ❖ Maintained building automated systems (BAS)
- ❖ Inspected generator and pump system for operating performance

Kimberly Clark Engineering, Philadelphia, PA

Student Intern/ CAD Draftsman/ Designer, 1999 – 2001

- ❖ Updated engineers' designs using AutoCAD
- ❖ Successfully completed assigned projects ahead of schedule
- ❖ Saved company money by taking on several job responsibilities, eliminating the need to hire additional employees, such as draftsman, designer, and researcher
- ❖ Completed preliminary site inspection and designed base drawing for control room main computer
- ❖ Operated machinery for production in manufacturing

ORGANIZATIONS/EXTRACURRICULAR ACTIVITIES

Treasurer, NSBE Temple University Chapter 2002/2003
Coordinator, NSBE Pre College Initiative (PCI) 1999-Present
Member of NSBE Temple University Chapter 1999-Present
Member of American Society of Civil Engineering 1998-Present
Member of American Concrete Institute 1998-Present

233-18 129th Ave
Laurelton, NY 11422
Phone 347-661-6889
E-mail nicesmile28@aol.com

1000 Hilltop Circle
PMC 081
Baltimore, MD 21250
443-612-0836

Jennifer A. Fields

- Objective** To obtain extensive hands on experience in the field of Engineering through summer internship and/ or employment.
- Education** 08/03 – Present University of Maryland, Baltimore County
Baltimore, MD
Mechanical Engineering
- GPA 2.4
- Work experience** 07/02 – 08/03 Target, Inc. Long Island, NY
Front End Cashier
- Cash out guests in a fast and friendly manner
 - Guest satisfaction
 - Daily quota of credit card applications
 - Team work
 - Office work: typed schedules, answered phones, assisted team members
- Professional memberships** National Society of Black Engineers, NSBE
- Skills**
- AutoCAD
 - Fortran
 - Microsoft Word
 - Microsoft PowerPoint
 - Microsoft Excel
- References** Available upon request

7821 Oakdale Avenue
Rosedale, MD 21237

Phone 410-686-0712
Cell 443-629-0618
E-mail Thuber1@umbc.edu

Tracy Huber

Objective To obtain a design position in an Engineering firm.

Education 9/2000-Present University of Maryland Baltimore, MD

Mechanical Engineering

- Working towards a bachelors degree in Mechanical Engineering
- Software training:
 - AutoCAD
 - Matlab
 - Mathcad
 - Microsoft Office
 - Visual FEA
- Design Projects including:
 - Bridge
 - Drill-powered wood cutter
 - Human-powered water pump

1/2000-5/2000 York College of Pennsylvania York, PA

Mechanical Engineering

Work Experience 6/1999-Present Best Buy White Marsh, MD

Customer Service Senior

- Overseeing the Operations department
- Processing payroll
- Preparing daily deposits
- Completing daily paperwork
- Editing schedules

References Available upon request.

Nneka Obi Ibekweh

Permanent Address:
1280 Ocean Avenue #4A
Brooklyn, NY 11230
(718) 859-0705

obi@jhu.edu

College Address:
3034 Guilford Avenue #2
Baltimore, MD 21218
(410) 467-5036

OBJECTIVE: To obtain an entry-level position in management development that will give me the opportunity to couple my analytical engineering skills with my desire to be a leader and challenge the status quo.

EDUCATION

Johns Hopkins University, Baltimore, MD
Bachelor of Science in Biomedical Engineering, May 2004
Concentration in Mechanical Engineering, May 2004
Outstanding Leadership Award, Johns Hopkins University, May 2003

LEADERSHIP EXPERIENCE

President, National Society of Black Engineers Jan 2004-Present

- ❖ Oversee all financial and administrative activity of the organization
- ❖ Encourage and develop member leadership to secure vitality of the organization in future years
- ❖ Plan and facilitate workshops and speaker presentations based on the interests of the membership

Programs Chair, National Society of Black Engineers 2002-Present

- ❖ Reinstating the Technical OutReach Community Help (T.O.R.C.H.) Program by developing and organizing a curriculum for computer classes for adults at a local church
- ❖ Organize bi-monthly workshops facilitate by guest speakers as well as executive board members
- ❖ Encourage and support member participation in academic, oral, and other engineering-oriented competitions

Vice President, National Society of Black Engineers Fall 2003

- ❖ Ensure open communication within executive board and general body
- ❖ Monitor the progress of officers' activities on a monthly basis through accountability reports
- ❖ Utilized problem solving skills to facilitate conflict resolution tactics between members of the executive board

Treasurer, Black Student Union 2001-2003

- ❖ Wrote and successfully submitted annual budget proposal which surpassed amount granted in previous years by over 50%
- ❖ Maintained accurate, up-to-date accounts of all financial activity

Resident Advisor, Summer Scholars Program Summer 2002

- ❖ As part of a team of 4 other resident advisors, utilized interpersonal skills to manage a group of 22 incoming freshmen
- ❖ Developed communication skills through planning and organizing of various weekly events

WORK EXPERIENCE

Dispatcher, Driver, Johns Hopkins Security 2000-Present

- ❖ Receive and dispatch on average about 75 van requests per night
- ❖ Transport Hopkins affiliates anywhere within a one-mile radius of campus

ACTIVITIES

Diversity Leadership Council, Johns Hopkins University Fall 2003-Present

- ❖ Discuss, promote, and support diversity awareness on campus
- ❖ Promote policies that to recruit and retain a diverse group of students, faculty, and staff

COMPUTER SKILLS

- ❖ Proficient in Microsoft Word, Excel, PowerPoint and various Internet applications
- ❖ Experience with Matlab

10509 Gloucester Lane
Cheltenham, MD 20623-1154
Home: 301-372-8599
E-mail: jt198004@yahoo.com

Tiffany Nicolle Jones

EDUCATION

Fall 2002-present Tuskegee University Tuskegee, AL
GPA: 3.00 on a 4.0 Scale
Graduation date December of 2004
Degree Sought: B.S. in Chemical Engineering
Fall 1998-Spring 2002 Hampton University, Hampton, VA

RESEARCH INTEREST

My research interests include pursuing opportunities and experiences to meet challenges and changes in the science field.

WORK EXPERIENCE

Summer 2003

NASA-AMES

Moffett Field, CA

Nanotechnology Department

My research was under the leadership of Dr. Olifisayo Jejelowo.

Research entailed growing yeast to study their growth curve. Used autoclave machine to sterilize YBD media. Used PCR machine to analyze certain fragments of the yeast DNA. Used e-gel to analyze DNA strands amplified by the PCR machine.

Spring 2002-Fall 2002

Student Internship/NASA-PAIR Program

Tuskegee University, Tuskegee, AL

Environmental Engineering Department

My research was under the leadership of Dr. Kafui Nyavor (334) 727-8975.

Research entailed using an ultrafiltration system to purify oily wastewater. Used TOC analyzer to examine the effectiveness of the ultrafiltration system. Used sample from permeate to measure the surface tension using the Du Noüy ring method.

Summer 2002

Student Internship/NASA-PAIR Program

Tuskegee University, Tuskegee, AL

Environmental Engineering Department

My research was under the leadership of Merilyn Hall and Dr. Kafui Nyavor (334) 727-8975.

Research entailed using an ultrafiltration system to purify oily wastewater. Used high-performance liquid chromatography (HPLC) to see what components were contained in the oil. Used TOC analyzer to examine the effectiveness of the ultrafiltration system.

Spring 2000-Fall 1999

Student Internship/ NASA-R.C.O.P Program

Research Center for Optical Physics (R.C.O.P)

Physics Department

Hampton University, Hampton, VA

My research was under the leadership of Dr. Uwe H. Hommerich, (757) 728-6908 and Dr. Donald Lyons, (757) 728-6908

Research entailed using paper chromatography and spectrometry. Chemical solutions were made and analyzed by paper chromatography and spectrometry. Used spectrophotometer to measure wavelength and transmissions of the components in the chemical solutions. Mirocal Origin – Computer program use to graph findings on the wavelengths and transmissions of substances. Compared the results from paper chromatography to spectrophotometry to see the effectiveness of paper chromatography.

AWARDS

- Omega Chi Epsilon Honor Society

KEY SKILLS AND COMPETENCIES

- C++ Programming, ASPEN Plus, Microsoft Office, FORTRAN programming,

EXTRACURRICULAR ACTIVITIES

- American Institute of Chemical Engineers
- National Society of Black Engineers
- National Association for Colored People

to op

Trayvon D. Leslie

464 Orchards Walk
Stone Mountain, Georgia 30087
Phone: (678) 491-4589
Email: trayles6812@aol.com

OBJECTIVE:

To become a skillfully trained engineer while learning all aspect of this challenging field.

EDUCATION

2001-present

Alabama A&M University

Normal, AL

Bachelor of Science in Mechanical Engineering, expected May 2005

Cumulative 3.8 grade point average.

Awarded the Alabama A&M University Athletic Scholarship Award; 2001-2002

Awarded Post-Secondary Scholarship; 2002-Present

EMPLOYMENT

Normal Hills Student Apartments

Huntsville, AL

Community Assistant

08/2003-present

Reside and work closely with the residents in my building to adhere to all their needs and concerns involving the community.

Just For Feet

Lithonia, GA

Floor Salesman

05/2003-08/2003

Provided customer service and assisted in unloading and stocking merchandise through the store and warehouse.

The Wearhouse

Huntsville, AL

Retail Salesman

08/2002-05/2003

Prepared inventory assessments, opened and closed store, and handled incoming business calls and transactions.

Camp Isidore Alterman

Dunwoody, GA

Counselor

06/2002-08/2002

Rendered academic, mental, as well as social guidance to over 50 children ages 5-8.

All American Skating

Stone Mountain, GA

Skate Attendant

10/1999-03/2001

Maintained the upkeep of the skates, the skate room and the go carts.

Named employee of the month twice.

SKILLS

Communications and leadership.

Proficient in the use of Microsoft Programs, Word-Processing, Print Shop, Fortran 90,

Automated Computer Aid and Drafting (AutoCAD), and Multisim7.

AFFILIATIONS

National Society of Black Engineers (NSBE)

Fellowship of Christian Athletes (FCA) "Parliamentarian"

Student Government Association (SGA)

Alabama A&M Football Team

Brian Mok

New Hall, Room 326B
1000 Hilltop Circle
Baltimore, Maryland 21250
(443) 612-7844

715 Pebble Beach Dr.
Silver Spring, MD 20904
Bmok1@gl.umbc.edu
(240) 463 - 6392

EDUCATION	<p>University of Maryland Baltimore County Bachelor of Science in Mechanical Engineering Expected graduation date: May 2004</p> <p>Related Coursework: Finite Element Analysis, Thermodynamics, Fluid Mechanics, Automatic Controls, Circuit Theory, System Design, Mechanics of Materials of Stress Analysis, Vibration, Heat Transfer Process and Engineering Sciences.</p>
EXPERIENCE	<p>Reliability Engineer (06/01 - Present): Unilever, Baltimore MD. Conduct analysis and provide recommendations to management for the Shutdown of manufacture departments. Corrosion monitor of Pressure vessels and Storage tanks for the facility with applicable local and federal code of regulation for inspections.</p> <p>Research Engineer (02/01 - 07/01): University of Maryland at Baltimore, Baltimore MD Determine the material property of European cement and design of testing apparatus and experimental protocol for Industrial saw blade experiment. This research project is the collaborative effort between UMBC and Black and Decker.</p> <p>Design Engineer (01/01 - 06/01): University of Maryland Baltimore County, Baltimore MD. Design and manufacture of a solar powered boat for the 8th Annual Solar Splash Competition hosted by the ASME in Hoyt Lake, Buffalo, NY.</p> <p>Research Engineer (02/00 - Present): University of Maryland at Baltimore, Baltimore MD The goal of this research project is to determine the Ultimate Bending Stress and Strain on Human Hyoid and Thyroid Complex. This research project is the collaborative effort between UMBC, Office of the Chief Medical Examiner and Johns Hopkins University Orthopedics Biomechanics Laboratory.</p> <p>Computer Consultant (09/00 - Present): University of Maryland Baltimore County, Baltimore MD. Computer Consultant for the Computer Aided Design Laboratory For Engineers</p> <p>Computer Assistant (12/99 - 02/00): University of Maryland Baltimore County Baltimore, MD. Linux installation and Maintenance for Professors in the department of mechanical engineering.</p> <p>Research Engineer (12/98 - 02/99): University of Maryland College Park, College Park MD. CALCE Electronic Product and System Center. Involved in the design of research project presentations for corporations. Responsible for the production of manuscript to Photo Ready condition for the book <i>The Chinese Electronics Industry</i>, published in May 1999.</p>
SKILLS	<p>Expertise in Finite Element Analysis using IDEAS and Dendro 4.0, Autocad, Mathcad, Matlab, Ultrapipe, Microsoft Office Products, including Internet Explore (IE), and Windows NT Operating System. Proficient with the MTS BIONIX™ Testing and INSTRON Machines. Web page design in HTML format and supporting programs.</p>
EXTRA-CURRICULUM ACTIVITIES	<p>Secretary of the Engineering Council of Majors (ECM) and Member of ASME Supreme Court Judge for the Student government Association (SGA) Licensed Enriched Air Nitrox Diver and Member of The Professional Association of Diving Instructors (PADI)</p>
REFERENCE	<p>References will be provided upon request.</p>

co-op

115 Chase Rd.
Apt. 3110
Huntsville, AL 35811

Phone (256) 372-2213
E-mail
lowens@aamu.edu

Lecaris D. Owens

- Objective** To obtain a cooperative education position or internship in Mechanical Engineering.
- Education** 2000-Present Alabama A&M University Normal, Alabama
Pursuing a B.S. in Mechanical Engineering
▪ Expected graduation in May 2005
- Awards received** Dean's List Fall 2002;
Cumulative GPA 2.73; Major GPA 3.0
- Courses**
- Fluid Mechanics
 - Heat and Mass Transfer
 - Power Systems Integration
 - Dynamics
 - Material Science
- Computer Skills**
- Microsoft Word, Microsoft Excel, Microsoft Office
 - Fortran
 - Multisim, Workbench, Ansys, AutoCAD
- Volunteer experience**
- Huntsville Boys and Girls Club
 - Dixie Youth Baseball Coach
- Extracurricular activities**
- Captain of Alabama A & M Baseball Team: 2004
 - American Society of Mechanical Engineers (Treasurer 2003-2004)
 - Eta Kappa Tau Engineering and Technology Fraternity, Alpha Chat.
- References** Available upon request

*Interested in Baltimore
CO-OP in Mechanical
Engineering*

Gary Palmer II

2208 Centreville Hall University of Maryland College Park, MD 20742 (301)-314-1551 gpalmer@wam.umd.edu

Education

University of Maryland-College Park, B.S., Mechanical Engineering
Current Program: College Park Scholars, Environmental Studies
Degree expected: May 2006
GPA: 2.91

Related Course Work

Calculus I, II, and III, Differential Equations, Statics, Mechanics of Materials, Dynamics, Physics I, II, and III.

Professional Development

Intern, University of Maryland-College Park, Combustion Lab, June 2003-Present

- Designed and built square enclosure for gas burner.
- Collecting data on each swirler's combining effects on the flame and environment.
- Collecting data on the temperature on each swirl combination.

Intern, NASA (Goddard Space Flight Center), September 2001-June 2002

- Constructed Ruthenium Thermometers for Project ARCADE.
- Helped with the construction of the gondola in the project.
- Graphed Temperature vs. Resistance Curves for the thermometers performance.

Related Experience

QUEST, Quality Enhancement Systems and Technology, September 2003- Present

- Using total quality tools to refurbish the laundry carrier.
- Utilizing six-sigma processes to complete the redesigning of the laundry carrier.
- Learning teamwork, project and customer value management and customer satisfaction

Clubs and Activities

- **Camp GEAR Up**, Teaching Assistant, Fall 2003
- **Black Engineering Society**, Banquet Chair, Fall 2003
- **Centreville Hall Council**, Floor Representative, Fall 2003
- **BRIDGE Program**, Mentor, Summer 2003.
- **BRIDGE Program**, Participant, Summer 2002.

Awards and Honors

- **Louis Stokes Alliance for Minority Participation**, Scholarship, Fall 2003
- **Sikorsky Aircraft-United Technologies Inc.**, Book Award, Spring 2003
- **Louis Stokes Alliance for Minority Participation**, Academic Achievement, Fall 2002.

Frazier Lee Pope III

School Address:

P. O. Box 193

Normal, AL 35762

256-372-3454

frazier.pope@mailserver.aamu.edu

Permanent Address:

701 Summerbrooke Court

McDonough, GA 30253

404-403-7619

frazpope@hotmail.com

Objective To obtain a summer internship that will enable me to use and further my knowledge and experience in the field of electrical engineering

Education Alabama Agricultural and Mechanical University
B.S. in Electrical Engineering expected May 2005, Overall GPA: 3.21

Work Experience **BAE Systems Analytical Solutions** Huntsville, Alabama
Engineer Assistant – Co-Op

- Performed system testing of PEGEM (Post Engagement Ground Effects Modeling) Software
- Assisted in conduction of PEGEM workshop
- Suggested possible upgrades to PEGEM Software
- Updated PEGEM software Users Manual screen captures to latest development
- Updated PEGEM workshop materials using Microsoft PowerPoint

Courses

- Digital Circuit Design and Analysis
- Analog Circuit Design and Analysis and Laboratory
- Linear Circuits Analysis I and II and Laboratory
- Microsoft Visual C++ 6.0

Software Experience

- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Multisim
- MATLAB
- Microsoft Visual C++ 6.0

Activities

- Junior Class President, Student Government Association, 2003-2004
- Junior Warden, P.O.L. #817 P.H.A.F.&A.M. of Alabama
- Executive Parliamentarian, Student Government Association, 2003
- Sigma Tau Epsilon Professional Fraternity Incorporated, Rho Chapter, 2002-2004
- President, Sophomore Class, 2002
- Vice President, Freshman Class, 2001
- National Society of Black Engineers, Torchbearer, 2001

References

Professional references provided upon request

13813 Castle Cliff Way
Silver Spring Md
20904

Phone 301-879-4889
E-mail michel1@umbc.edu

Current Address
Harbor 451_A
1000 Hilltop Circle
Baltimore Md

Cell: 301-254-0877

Michelle Rose

- Objective** To be able to have hands on experience in the field of Engineering through volunteering and internships.
- Education** 09/02- present University of Maryland Baltimore County Baltimore, MD
Mechanical Engineering
- Sophomore
- Work experience** 09/98-06/99
Lunch's Aid
- Served Food
 - Cleaned up kitchen
 - Worked as Cashier
- 07/2000- 08/2000
Data Entry
- Cleaned files in the computer
- 01/2002 –present
Cashier/Receptionist
- Answer calls
 - Organize mail
 - Managed a portion of the finances
- Volunteer experience**
- Fed and entertained the homeless
- Wrapped gifts with the Red Cross during Christmas time
- Attended nursing homes (sang, played piano)
- Worked at a County Fair (helped children ride horses, sold food, cleaned up)
- Worked at a Daycare Center for the Handicapped
- References** Available upon request
- Extracurricular activities**
- Black Student Union
- Caribbean American Student Association

SHANITRA D. SANDERS

Campus:

18 Holly Tree Inn
Hampton, VA 23668
(757) 728-4224
shanitra.sanders@hamptonu.edu

Permanent:

13700 Explorers Ave.
New Orleans, LA 70129
(504) 254-5056
nitie99@hotmail.com

OBJECTIVE: To obtain a challenging position in the Chemical Engineering field that utilizes my experience and leadership skills

EDUCATION: **HAMPTON UNIVERSITY**, Hampton, VA
B.S., Chemical Engineering, May 2004
GPA: 3.0/4.1

WORK EXPERIENCE: **The National Society of Black Engineers**, Region II
Regional Leadership Conference Chairperson, 2003

- Successfully organized conference with 152 attendees
- Created a 1-year strategic plan
- Managed a \$5,305 budget and cut expenditures by 34.2%
- Raised \$382.31 for KIDTECH, Inc. in Hampton, VA

MOTIVA ENTERPRISES, LLC, Norco, LA
Intern, Process Control Systems, May 2003 to August 2003

- Gained familiarity with MS Excel Visual Basic Programming

Intern, Environmental, May 2002 to August 2002

- Measured flow rates from a ground flare
- Analyzed lab sample results and extrapolated data from graph
- Attended community meetings regarding ambient air monitoring sampling

Intern, Process Engineering, May 2001 to August 2001

- Devised calculations for both a natural draft and a forced draft furnace
- Recommended ways for Operations to improve efficiency in assuring compliance with current air permitting requirements

Intern, Control Systems/ Electrical, May 2000 to August 2000

- Gained familiarity with Process & Instrumentation diagrams

COMPUTER SKILLS: Microsoft Word, PowerPoint, Access, Excel, Polymath, C++, Visual Basic, Mathlab

AWARDS: **The National Dean's List** (2002); **Who's Who Among Students in American Colleges & Universities** (2002); **American Chemical Society Scholar** (present); **2nd place, Robert Frost Essay Contest** by Longman Publishers (2001); **Academic Achievement Award** (2000); **Dean's List** (1999-2001, 2003); **NSBE Torchbearer** (1999-2002); **Presidential Scholar** (1999-2002); **Sprint Award** (2000)

ACTIVITIES: **Hampton University Student Leadership Program** (2000-2002); **National Society of Black Engineers, President** (2002-2004), **Secretary** (2001-2002), **INROADS/LA** (2000- 2003) **Student Christian Association** (1999-2003), **Society of Women Engineers** (2002-present)

REFERENCES: Furnished upon request

Henry Seright, Jr.
4401 Spartacus Dr. Sw. #143 o Huntsville, Alabama 35805
Phone: 256-508-0332
Email: hserightjr@hotmail.com

Objective

To obtain an entry-level position in which my education and experience will allow for growth and opportunities for me as well as the company of employment.

Education

Alabama Agricultural & Mechanical University Normal, AL
MS *candidate*, Electrical Engineering Technology Graduation Date:
May 2005

Alabama Agricultural & Mechanical University Normal, AL
BS Computer Science 3.16/4.0

Work Experience

K&J Consulting, Tampa, Florida Xerox Global Services
Technician, Present

- Setup various Dell systems in the greater Huntsville area, which consist of de-install old systems and installing new up to date systems.
- Installation included, running configuration & updates, establishing network connectivity, re-imaging hard drives, and installing all necessary software.

Kappa Alpha Psi Fraternity Inc., Huntsville, AL Webpage
Developer, 2001-Present

- Developed and maintained web services for a national service organization using Microsoft FrontPage & Macromedia Flash.
<http://gammaphi1950.50megs.com>
- Created the first undergraduate website for a fraternity on Alabama A&M's campus, which started a trend for other fraternities to follow.

Alabama A&M University, Normal, AL Student Assistant,
2001

- Set up over 10 computer labs by making network cables, building workstations, and loading operating systems/software on each of the lab's computers.
- Assisted students with Computer Science course related issues and projects.

Adtran Inc., Huntsville, AL Test Operator/Intern, 2000-
2001

- Tested Hardware components, such as sound cards, video cards, etc., to verify all components on the circuit board were functioning properly.
- Aided and assisted Product Engineers with weekly testing and maintenance used to test hardware components.

Professional Skills

Operating Systems: Window 98/2000/NT, UNIX, Linux
Programming Languages: C/C++, Java, HTML, COBOL, FORTRAN,
Visual Basic

Software Packages: Microsoft Office, Promodel, Macromedia
Dream weaver
Databases: Oracle SQL Plus
Hardware Platforms: Sun, HP Workstations, Mac, PC Series
Network: HTTP, TCP/IP protocol

Relevant Coursework

Database Systems, Data Structures, Switch Theory, Assembly Language,
Computer Organization, Operating Systems, Software Engineering, Theory
of Algorithms, Simulation, Computer Graphics, Telecom & Networking,
Auto-Control Systems

Organizations & Honors

Kappa Alpha Psi Fraternity Inc., National Society of Black Engineers,
Alabama A&M Marching Maroon & White, Computer Science Club, Deans List

References:

Available upon request.

MONTRELL F. SMITH
11501 Sutherland Hill Way
Silver Spring, MD 20904
Cell: (646) 894-9953
email: montrell_smith@yahoo.com

OBJECTIVE: Challenging position in Bio-Chemical Engineering, Chemical Engineering or Material Science

PROFILE

- Award-winning Chemical Engineer with medical, biological, security, and industrial project experience.
- Strong research and laboratory methodology, technical writing/presentation skills, and training abilities.

EDUCATION

University of Maryland, Baltimore, MD
B.S.E. Chemical Engineering, GPA: 3.49, May 2003

Coursework:

- | | | |
|-----------------------------------|---------------------------|--|
| * Biology I & Genetics | * Technical Writing | * Organic & Physical Chemistry I&II |
| * Heat/Mass Transfer | * Biomedical Engineering | * Thermodynamics |
| * Fluid Mechanics | * Biochemical Engineering | * Chem Engineering Process Development |
| * Engineering Process & Economics | * Process Control | * Unit Operations |

PROJECTS

HIP REPLACEMENT

UMBC Laboratory of Implantable Materials

- Engaged in laboratory tests on mechanical properties of bone cement for Merck Co. knee replacement division.
- Investigated technical advancements to enhance durability as joints fail every 10-15 years using current technology.
- Won National Society of Black Engineers Undergraduate Studies in Technical Research for *First Place Poster Presentation on hip replacement*.
- Advanced research for Society of Bio-Materials.

ARTIFICIAL KIDNEY

- Wrote research paper on history/advances on artificial kidneys, and trained others in this area.

HAZARD DETECTION

- Wrote research paper on progress of Biological Microelectronic Mechanical Systems (BioMEMS) research, including security, medical and industrial applications.

FISHING INDUSTRY

Cornell University, Theoretical and Applied Mechanics

- Tested fishing lines for hardness, roughness and bending stiffness, and other mechanical properties of PVC/nylon composite for Cortland Fishing Line Co.
- Experimented with changes in additives for fishing lines, and investigated altering density.

HONORS/ACTIVITIES

- * Society for Biomaterials 2001 Poster Presentation
- * BIO2001 conference attendee, San Diego
- * NSBE USTR Poster presentation, 1st place region II 2001
- * Maryland Distinguished Scholar
- * UMBC Meyerhoff Scholar
- * NSBE Scholar

WORK EXPERIENCE

Kasier Permanente Pharmacy, Largo, MD, Summer 1999
Pharmacy Technician II

COMPUTER SKILLS

Windows, Word, Excel, AUTOCAD, Powerpoint, Q-Basic, HTML 4

EXTRACURRICULAR

President, UMBC National Society of Black Engineers, 2000-2001; Senator, UMBC Student Government Association 1998-1999; UMBC Gospel Choir

Cecily N. Tart
ctart00@hotmail.com

Current Address
603 Fulton Rd. Apt. D 36
Tallahassee, FL 32312
(850) 561-6746

Permanent Address
6555 Memphis Ave.
Pensacola, FL 32526
(850) 944-9132
Cell: (850) 206-7405

EDUCATION

Florida A & M University
BS, Chemical Engineering, (05/04)
GPA: 3.03/4.00

Tallahassee, FL

EXPERIENCE

U.S. Environmental Protection Agency
Summer Intern

Washington, DC
May '03-Aug.'03

Technical Advisors: Marvin Rubin, Janet Goodwin

- Analyzed Concentrated Aquatic Animal Facilities' data.
- Created spreadsheets with received data from facilities.
- Assembled a memorandum, which encompassed all of the critical data.

Target
Sales Associate

Tallahassee, FL
June '02-Aug.'02

- Assisted customers with purchases and handled sales transactions.

Schlotzsky's Deli
Sales Associate/Cook

Pensacola, FL
June '98-Aug.'00

- Handled sales transactions
- Served as the team leader for cashiers

COMPUTER SKILLS

Microsoft Office MATLAB CHEMCAD
MATHCAD

ACTIVITIES

National Society of Black Engineers
American Institute of Chemical Engineers

HONORS

National Dean's List
Florida Georgia Association for Minority Participation
Florida Bright Future Scholar

Delphilia Taylor
1725 Lemmon Street
Baltimore, Maryland 21223
(443)306-6864
dtaylo10@umbc.edu

EDUCATION

University of Maryland Baltimore County (UMBC)
Baltimore, MD
MS, expected May 2004 GPA: 3.3/4.0
BS Chemical Engineering, May 2002 GPA: 3.2/4.0

Relevant Coursework

Biochemical Engineering
cGMP for Bioprocesses
Protein Chemistry

Biomedical Engineering
Biochemistry
Mass Spectrometry

EXPERIENCE

6/2003 – 7/2003

Researcher

New York State University, Stony Brook
Long Island, New York

Conducted flow profile trials on FPLC machines, using preparative-scale columns for comparison with data from analytical scale high pressure liquid chromatography (HPLC) columns. Created profiles in Excel to understand "goodness of packing" for commercially packed columns versus columns packed at the University.

8/2001 – present

Research Assistant

University of Maryland, Baltimore County
Baltimore, Maryland

Investigating techniques to improve methods for packing capillary columns used in analytical scale HPLC. Employ Waters HPLC machine, an Alltech column packer, as well as Microsoft Excel software for data manipulation. Explore methods of quantifying dispersion in the column due to various effects, which leads to a comparison of current theories in the industry.

8/1999 – 4/2001

Research Assistant

National Transportation Center

Co-wrote proposals dealing with Maryland Department of the Environment to use simulation in order to study traffic related problems in the city of Baltimore. Completed projects using business simulation software packages to help re-engineer various state organizations. Interfaced the simulation software with ORACLE database in order to automate the process of handling auto claims with State Police.

5/1997 – 8/1997

Research Intern

Waste Policy Institute
Blacksburg, Virginia

Created extensive database of the U.S. Department of Energy-funded projects using Access and various government internet applications. This database is used to track the project status and funding for projects nationwide dealing with environmental issues.

8/1996 – 5/1999

Development Engineer Co-op

Hoechst Celanese
Narrows, Virginia

Completed various trials involving acetone adsorption, cellulose acetate production, and bale height, on pilot plant, and full-scale levels. Investigated efficiency of distillation columns and suggested ways to improve

efficiency of removal of contaminant. Traveled to various plant locations to conduct inter-plant studies which compared various filtration methods.

5/1995 – 8/1995

Aluminum Company of America

Project Intern

Knoxville, Tennessee

Conducted trials concerning controlled grain growth of cooling aluminum, and modeled behavior using STATGRAPHICS software package. Wrote manual for testing procedures on etching samples of aluminum.

ACTIVITIES

Meyerhoff Graduate Fellow

AIChE

BioCHEGS, treasurer

Black Engineer Support Team, leader

MABEC poster presentation

GRC poster presentation

NSBE, torchbearer, community service

CHOICE tutor/volunteer

Society of African American Scholars

Student Alumni Association

Dean's List

NAACP/DOE ORISE Scholar

GE Transition to Industry Scholar

Graduate Student Association

SKILLS

HPLC operation

HPLC column packing

Microsoft Word

Microsoft Excel

Microsoft Access

Microsoft Publisher

Visio (business simulation)

ORACLE

Fortran

DYNA programming language

Matlab

Mathematica

Rasmole

Polymath

*INTERN FOR SUMMER
'04
NO GEOGR. PREFERENCE
FOCUS ON MECHANICAL
& CIVIL*

Alton Deon Walker
P.O. Box 302
Tuskegee Institute, AL 36087
Home phone (334) 727-4863
Email ReeWalker@aol.com

OBJECTIVE: To obtain a summer intern position that will provide valuable life experiences while promoting individual growth and increase knowledge of the Mechanical Engineering field.

EDUCATION

2000-Present	Tuskegee University, Tuskegee, AL, Majoring in Mechanical Engineering, GPA 3.0
Summer 2000	Freshman Accelerated Start-Up and Training for Retention in Engineering Curricula (FASTREC), Tuskegee University, GPA 3.1
1997-2000	Booker T. Washington High School, Tuskegee, AL
Summer 1999	Minority Introduction to Engineering, Tuskegee University

EMPLOYMENT

1997-Present	<i>Walker's Refrigeration and Small Appliance Repair</i> Tuskegee Inst., AL 36087 <ul style="list-style-type: none">• Assisting as a technician aide• Organizing inventory• Performing diagnoses on Appliances
1998-Present	<i>A&C Lawn Service</i> Tuskegee Inst., AL 36087 <ul style="list-style-type: none">• Co-founder/Vice President• Managing Company's financial portfolio• Customer relations
February 1999	<i>Macon-Russell Community Action Agency Bus Rodeo</i> <ul style="list-style-type: none">• Assisted in collection of data• Completed assignments with a team of specialized workers
Summer 1999	<i>VA Medical Center c/o Health College Connection</i> <ul style="list-style-type: none">• Assisted in office duties• Transported patients to different workstations• Applied heat modulators to patient's ached

SKILLS

MARKETABLE-CPR, Spanish speaker, computer literate, experienced typist, landscaping, sound technician, public speaking, problem solving and business ethics

PERSONAL TRAITS-Friendly, dependable, creative, hardworking, team leader, positive attitude, enjoys sports, creative writing, and music

AWARDS

Selected 100 Outstanding Young Men, 2nd place winner-Drug Free Poster Contest, Award for Entries-Science Fairs, Essay Contests, Talents shows, 1st Chair Concert Band, Honor Certificates and received recognition for community service

ACHIEVEMENTS

Member: National Society of Black Engineers, Kappa Alpha Psi, 3rd Hour Promotions, Freshman Class Vice President, Marching Band-Cymbal section leader and Junior Usher Board